

AT686 HIGH VOLTAGE INSULATION RESISTANCE METER

AT 686A

Smart Touch

CHINESE/ENGLISH
OPERATION294 (W) * 130 (H) * 448 (D)
UNIT: mm

Weight: 8kg

IR Rated Output : 5kV / 50GΩ

The AT686A high-voltage insulation resistance tester adopts a 5-inch color LCD display screen (with touch control). It is equipped with a mainstream high-performance 32-bit ARM processor.

The AT686A insulation and voltage withstand tester can be widely used for safety performance inspection of household appliances, transformers, electrical equipment and components. This instrument is equipped with a Controller interface (PLC interface) and RS232C for convenient data communication and remote control



■ Power Supply 85VAC~250VAC 50Hz~400Hz Power: maximum 300VA

with a PC, meeting the requirements of automated testing and improving production efficiency.

MODEL	AT686		AT686A	
AC WITHSTAND VOLTAGE TEST				
Rated Output	5kVAC / 10mA			
Output voltage	0.050kV-2.500KV ; (resolution ratio0.001 (1V) ;accuracy ± (2%×Read value + 5dgt) ;		0.050kV-5.000KV ; (resolution ratio0.001 (1V) ;accuracy ± (2%×Read value + 5dgt) ;	
Test Current	0.001mA-10.00mA(resolution ratio0.001 / 0.01 accuracy± (2%×Read value + 5dgt)			
Working Frequency	50Hz / 60Hz, ±0.1%			
Output waveform	Sine wave, distortion less than 3% (pure resistive load)			
Voltage regulation rate	±(2%×Read value+5V) From no load to full load			
DC WITHSTAND VOLTAGE TEST				
Rated Output	6kVDC / 5mA			
Output voltage	0.050kV-6.000KV ; (resolution ratio0.001 (1V) ;accuracy ± (2%×Read value + 5dgt) ;			
Test Current	0.001mA-5.00mA(resolution ratio0.1 / 0.01; accuracy± (2%×Read value + 5dgt)			
INSULATION RESISTANCE				
Rated Output	2.5kV / 10GΩ		5kV / 50GΩ	
Output voltage	0.050kV- 2.500KV ; (resolution ratio0.001 (1V) ; accuracy ± (1% ×Read value + 2dgt) ;		0.050kV- 5.000KV ; (resolution ratio0.001 (1V) ; accuracy ± (2%×Read value + 5dgt) ;	
Resistance measurement range	0.02MΩ-10GΩ		1.0MΩ-100GΩ	
Resistance measurement accuracy	≥ 500V: 1MΩ-1GΩ ± (5% Read value+5 dgt) ; 1GΩ-10GΩ ± (10% Read value+5 dgt)		≥ 1000V: 1MΩ-1GΩ ± (5% Read value+5 dgt) ; 1GΩ-100GΩ ± (10% Read value+5 dgt)	
	< 500V: 0.1MΩ-1GΩ ± (10% Read value+5 dgt) 1GΩ-10GΩ For reference only		< 1000V: 1.0MΩ-1GΩ ± (10% Read value+5 dgt) ; 1GΩ-10GΩ For reference only	
General				
Discharge function	Automatic discharge after testing			
ARC Detector	1-9 (AC / DC)			
Voltage rise time	0.1s-999.9s		Accessories	ATL900E high-voltage testing line; ATL900-E high-voltage test rod; ATL108 RS232 communication cable;
Voltage test time	0.1s-999.9s			
Voltage drop time	0.1s-999.9s			
Interface	Handler (PLC) 、RS232C 、USB			